

CAPS Survey Report

Year:	2017
State:	Kansas
Cooperative Agreement Name:	Corn Commodity Survey
Cooperative Agreement Number:	USDA-APHIS-10025-PPQFO000-17-0038
Project Funding Period:	January 1, 2017 – December 31, 2017
Project Report:	CAPS Survey Report
Project Document Date:	January 1, 2017 – December 31, 2017
Cooperators Project Coordinator:	Laurinda Ramonda
Name:	Plant Protection and Weed Control
Agency:	Kansas Department of Agriculture
Address:	6531 SE Forbes Avenue, Suite B
City/ Address/ Zip:	Topeka, Kansas 66619
Telephone:	785-564-6698
E-mail:	laurinda.ramonda@ks.gov

Quarterly Report	<input type="checkbox"/>
Semi-Annual Accomplishment Report	<input type="checkbox"/>
Annual Accomplishment Report	<input checked="" type="checkbox"/>

A. Write a brief narrative of work accomplished. Compare actual accomplishments to objectives established as indicated in the work plan. When the output can be quantified, a computation of cost per unit is required when useful

Participants: Laurinda Ramonda – provide training, supervision and shipping of samples to lab
 Greg Chrislip, state entomologist – provide training, supervision and specimen sorting
 Gaelle Hollandbeck, state plant pathologist – provide corn disease field training and suspect sorting
 Brian Brunkow - trapping and survey work

- December 1, 2016 – Pre-award letter signed for \$7,093
- March 23, 2017 – Continuing Resolution funding amount for \$21,479
- March 24, 2017 – Survey approved for Continuing Resolution amount
- May 11, 2017 – Survey work began
- May 22, 2017 – Survey approved for rest of the funds of \$15,857
- May 23, 2017 – Began taking soil samples
- June 5, 2017 – Began surveying for disease
- June 22, 2017 – Traps all distributed
- July 7, 2017 – Finished taking soil samples, all sent to nematology lab at Kansas State University
- September 7, 2017 – Finished scouting for disease
- October 13, 2017 – All traps removed
- September 15, 2017 – Nematode results returned from lab
- December 1, 2017 – Screening traps finished. All negative.

Funding Amount (USDA)	Funding Amount (KDA)	Total Number of Traps/Visuals	Cost Per Unit
Proposed = \$37,336	Proposed = \$616	Proposed = 174 Traps, 87 Visuals, 87 soil samples	Proposed= \$109.06
Actual = \$37,336	Actual = \$616	Actual = 174 traps, 87 visuals and 87soil samples	Actual = \$109.06

1. Survey methodology (trapping protocol):

	Common Name	Scientific Name
Pest:	Egyptian Cottonworm	<i>Spodoptera littoralis</i>
	Cotton cutworm	<i>Spodoptera litura</i>
	Late wilt	<i>Harpophora maydis</i>
	Java downy mildew	<i>Peronosclerospora maydis</i>
	Philippine downy mildew	<i>Peronosclerospora philippinensis</i>
	Brown stripe downy mildew	<i>Sclerophthora rayssiae var. zeae</i>

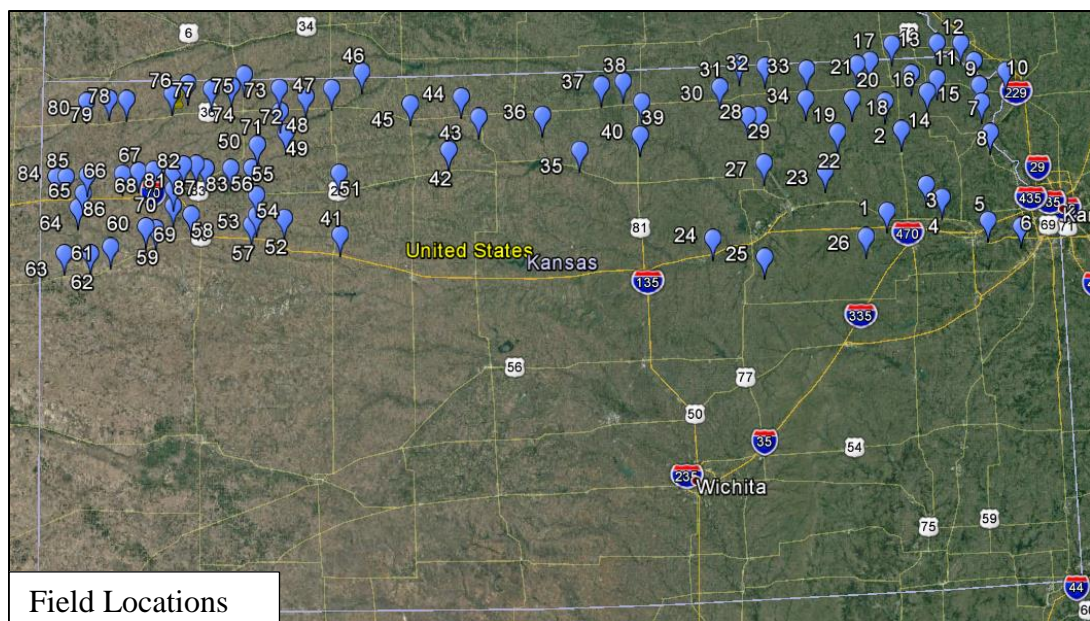
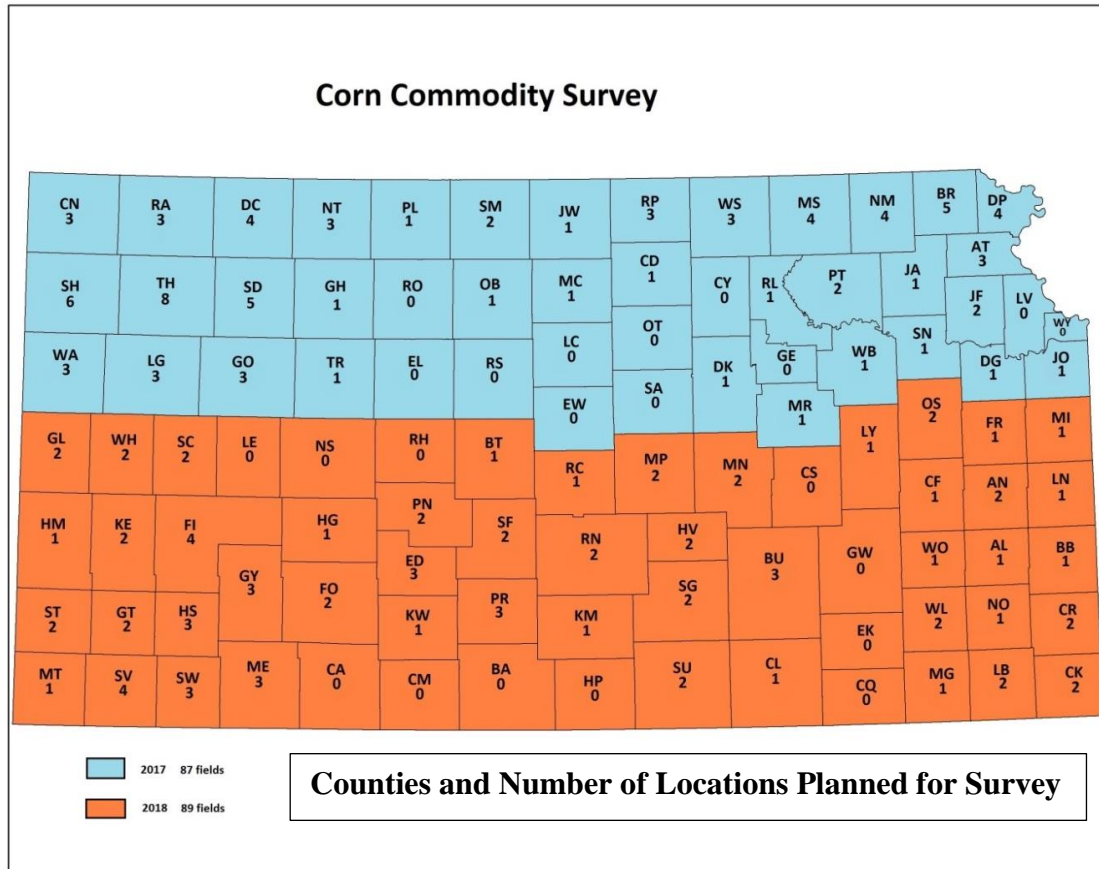
	Mexican corn cyst nematode	<i>Punctodera chaltoensis</i>
	Bacterial leaf streak	<i>Xanthomonas vasicola pv. vasiculorum</i>

	Proposed	Actual
Sites (Locations):	87	87
Traps:	174	174
Visuals:	87	87
Soil Samples:	87	87

	Proposed	Actual
Number of Counties:	35	35
Counties:	Atchison, Brown, Cheyenne, Cloud, Decatur, Dickinson, Doniphan, Douglas, Gove, Graham, Jackson, Jefferson, Jewell, Johnson, Logan, Marshall, Mitchell, Morris, Nemaha, Norton, Osborne, Phillips, Pottawatomie, Rawlins, Republic, Riley, Shawnee, Sheridan, Sherman, Smith, Thomas, Trego, Wabaunsee, Wallace, Washington	Atchison, Brown, Cheyenne, Cloud, Decatur, Dickinson, Doniphan, Douglas, Gove, Graham, Jackson, Jefferson, Jewell, Johnson, Logan, Marshall, Mitchell, Morris, Nemaha, Norton, Osborne, Phillips, Pottawatomie, Rawlins, Republic, Riley, Shawnee, Sheridan, Sherman, Smith, Thomas, Trego, Wabaunsee, Wallace, Washington

Counties and Number of Locations					
County	Number of Locations Planned	Number of Locations Surveyed	County	Number of Locations Planned	Number of Locations Surveyed
ATCHISON	2	2	NEMAH	4	4
BROWN	5	5	NORTON	3	3
CHEYENNE	3	3	OSBORNE	1	1
CLOUD	1	1	PHILLIPS	1	1
DECATUR	4	5	POTTAWATOMIE	2	2
DICKINSON	1	1	RAWLINS	3	3
DONIPHAN	4	4	REPUBLIC	3	3
DOUGLAS	1	1	RILEY	1	1
GOVE	3	3	SHAWNEE	1	1
GRAHAM	1	1	SHERIDAN	5	4
JACKSON	1	1	SHERMAN	6	6
JEFFERSON	2	2	SMITH	2	2
JEWELL	1	1	THOMAS	8	8
JOHNSON	1	1	TREGO	1	1
LOGAN	3	3	WABAUNSEE	1	1
MARSHALL	4	4	WALLACE	3	3

MITCHELL	1	1	WASHINGTON	3	3
MORRIS	1	1			
Total			87		



2. Survey dates:

	Proposed	Actual
Survey Dates:	May 2017 – September 2017	May 11, 2017 – October 13, 2017

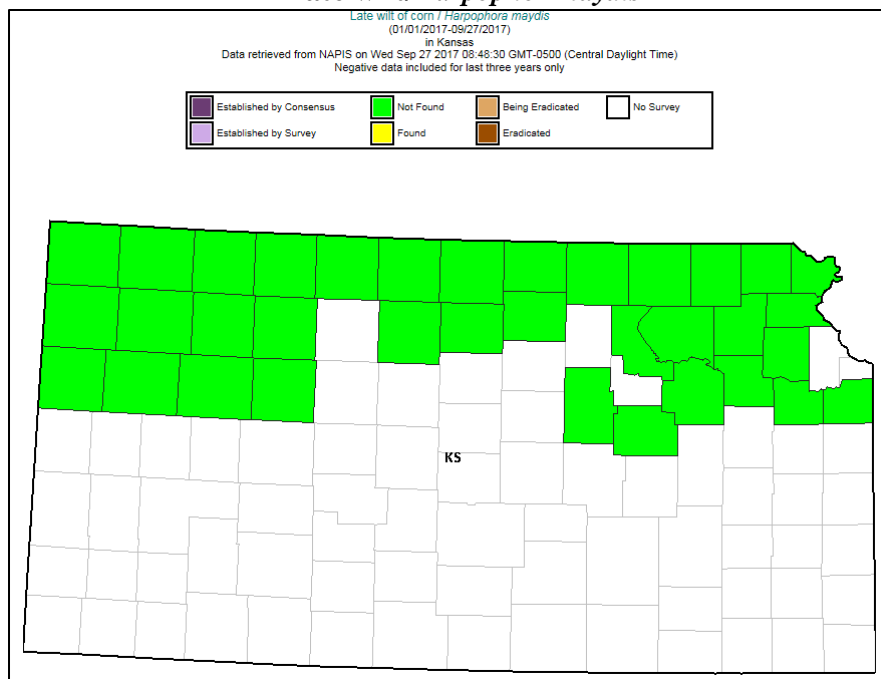
3. Benefits and results of survey:

	Positive	Negative	Total Number
Traps	0	174	174
Soil - Nematode	0	87	87
Visual - Disease	41	564	605

4. Database submissions:

Data entered in NAPIS

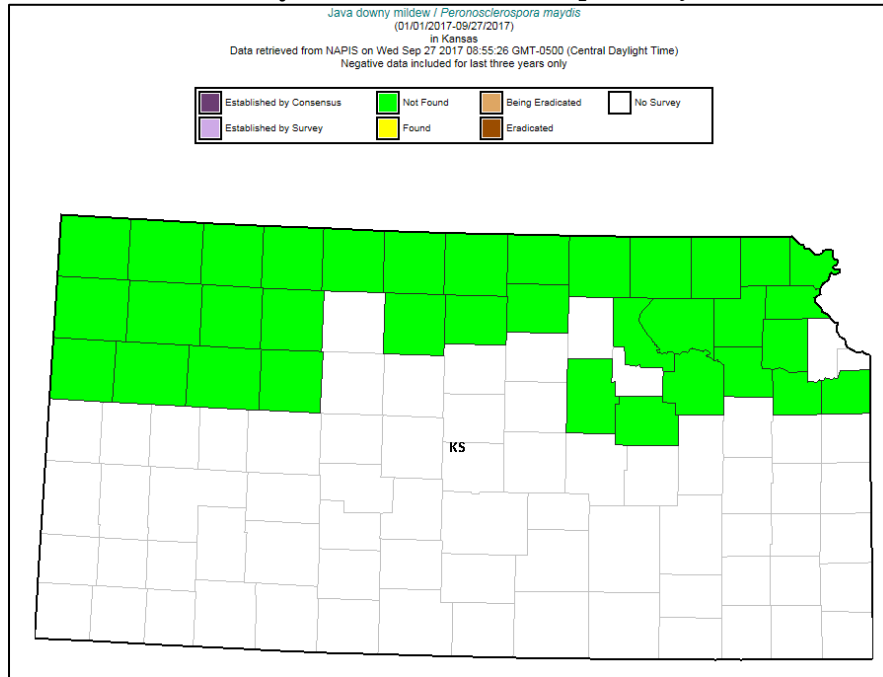
Late wilt/*Harpophora maydis*



Data Source	State County	Pest Status	Total Units Checked	Data Source	State County	Pest Status	Total Units Checked
State Ag Dept.	KS - Atchison	-	2	State Ag Dept.	KS - Morris	-	1
State Ag Dept.	KS - Brown	-	5	State Ag Dept.	KS - Nemaha	-	4
State Ag Dept.	KS - Cheyenne	-	3	State Ag Dept.	KS - Norton	-	3

State Ag Dept.	KS – Cloud	-	1	State Ag Dept.	KS - Osborne	-	1
State Ag Dept.	KS - Decatur	-	5	State Ag Dept.	KS - Phillips	-	1
State Ag Dept.	KS - Dickinson	-	1	State Ag Dept.	KS - Pottawatomie	-	2
State Ag Dept.	KS - Doniphan	-	4	State Ag Dept.	KS - Rawlins	-	3
State Ag Dept.	KS - Douglas	-	1	State Ag Dept.	KS - Republic	-	3
State Ag Dept.	KS – Gove	-	3	State Ag Dept.	KS – Riley	-	1
State Ag Dept.	KS - Graham	-	1	State Ag Dept.	KS - Shawnee	-	1
State Ag Dept.	KS - Jackson	-	1	State Ag Dept.	KS - Sheridan	-	4
State Ag Dept.	KS - Jefferson	-	2	State Ag Dept.	KS - Sherman	-	6
State Ag Dept.	KS – Jewell	-	1	State Ag Dept.	KS – Smith	-	2
State Ag Dept.	KS - Johnson	-	1	State Ag Dept.	KS - Thomas	-	8
State Ag Dept.	KS – Logan	-	3	State Ag Dept.	KS – Trego	-	1
State Ag Dept.	KS - Marshall	-	4	State Ag Dept.	KS - Wabaunsee	-	1
State Ag Dept.	KS - Mitchell	-	1	State Ag Dept.	KS - Wallace	-	3
				State Ag Dept.	KS - Washington	-	3

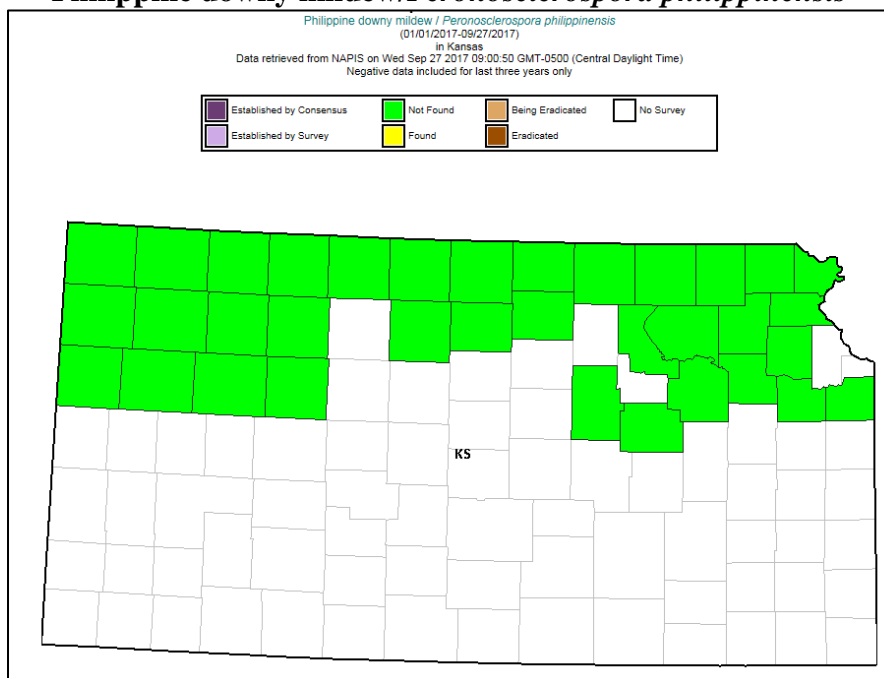
Java downy mildew/*Peronosclerospora maydis*



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State Ag Dept.	KS - Cheyenne	-	3	State Ag Dept.	KS - Norton	-	3
State Ag Dept.	KS - Cloud	-	1	State Ag Dept.	KS - Osborne	-	1
State Ag Dept.	KS - Decatur	-	5	State Ag Dept.	KS - Phillips	-	1
State Ag Dept.	KS - Dickinson	-	1	State Ag Dept.	KS - Pottawatomie	-	2
State Ag Dept.	KS - Doniphan	-	4	State Ag Dept.	KS - Rawlins	-	3
State Ag Dept.	KS - Douglas	-	1	State Ag Dept.	KS - Republic	-	3
State Ag Dept.	KS - Gove	-	3	State Ag Dept.	KS - Riley	-	1
State Ag Dept.	KS - Graham	-	1	State Ag Dept.	KS - Shawnee	-	1
State Ag Dept.	KS - Jackson	-	1	State Ag Dept.	KS - Sheridan	-	4
State Ag Dept.	KS - Jefferson	-	2	State Ag Dept.	KS - Sherman	-	6

State Ag Dept.	KS – Jewell	-	1	State Ag Dept.	KS – Smith	-	2
State Ag Dept.	KS - Johnson	-	1	State Ag Dept.	KS - Thomas	-	8
State Ag Dept.	KS – Logan	-	3	State Ag Dept.	KS – Trego	-	1
State Ag Dept.	KS - Marshall	-	4	State Ag Dept.	KS - Wabaunsee	-	1
State Ag Dept.	KS - Mitchell	-	1	State Ag Dept.	KS - Wallace	-	3
				State Ag Dept.	KS - Washington	-	3

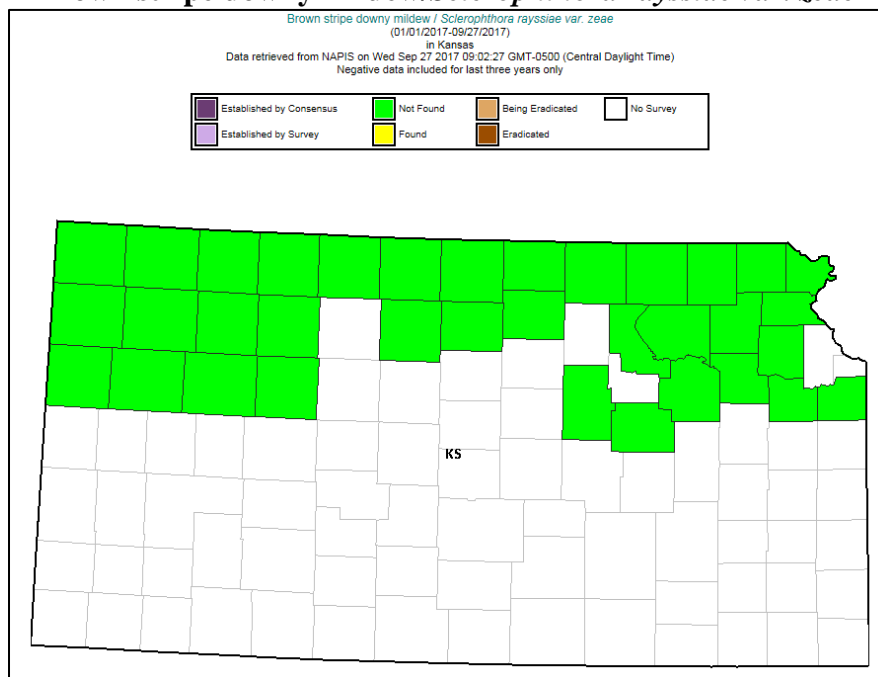
Philippine downy mildew/*Peronosclerospora philippinensis*



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State Ag Dept.	KS - Atchison	-	2	State Ag Dept.	KS - Morris	-	1
State Ag Dept.	KS – Brown	-	5	State Ag Dept.	KS - Nemaha	-	4
State Ag Dept.	KS - Cheyenne	-	3	State Ag Dept.	KS - Norton	-	3
State Ag Dept.	KS – Cloud	-	1	State Ag Dept.	KS - Osborne	-	1
State Ag Dept.	KS - Decatur	-	5	State Ag Dept.	KS - Phillips	-	1

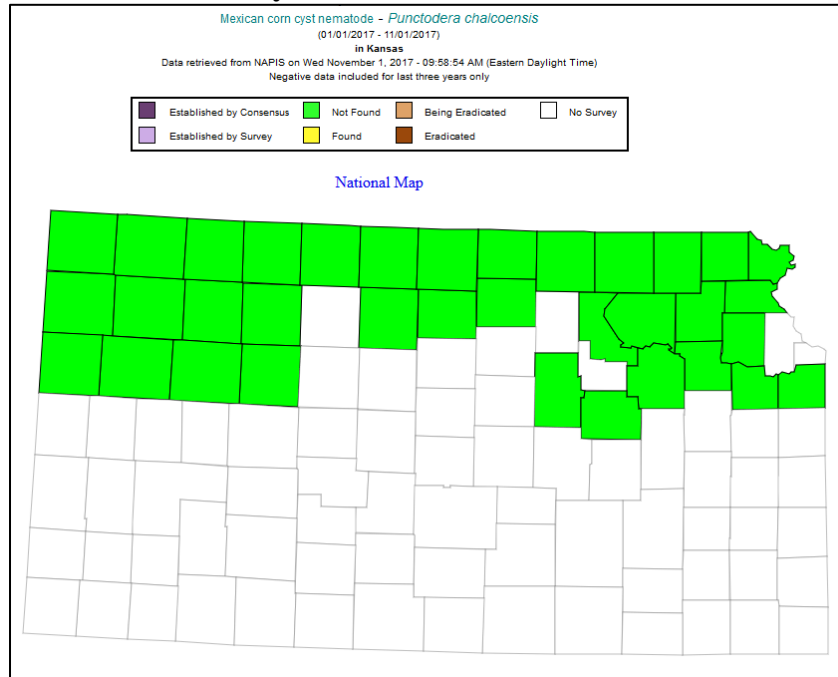
State Ag Dept.	KS - Dickinson	-	1	State Ag Dept.	KS - Pottawatomie	-	2
State Ag Dept.	KS - Doniphan	-	4	State Ag Dept.	KS - Rawlins	-	3
State Ag Dept.	KS - Douglas	-	1	State Ag Dept.	KS - Republic	-	3
State Ag Dept.	KS - Gove	-	3	State Ag Dept.	KS - Riley	-	1
State Ag Dept.	KS - Graham	-	1	State Ag Dept.	KS - Shawnee	-	1
State Ag Dept.	KS - Jackson	-	1	State Ag Dept.	KS - Sheridan	-	4
State Ag Dept.	KS - Jefferson	-	2	State Ag Dept.	KS - Sherman	-	6
State Ag Dept.	KS - Jewell	-	1	State Ag Dept.	KS - Smith	-	2
State Ag Dept.	KS - Johnson	-	1	State Ag Dept.	KS - Thomas	-	8
State Ag Dept.	KS - Logan	-	3	State Ag Dept.	KS - Trego	-	1
State Ag Dept.	KS - Marshall	-	4	State Ag Dept.	KS - Wabaunsee	-	1
State Ag Dept.	KS - Mitchell	-	1	State Ag Dept.	KS - Wallace	-	3
				State Ag Dept.	KS - Washington	-	3

Brown stripe downy mildew/*Sclerophthora rayssiae* var. *zeae*



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State Ag Dept.	KS - Atchison	-	2	State Ag Dept.	KS - Morris	-	1
State Ag Dept.	KS – Brown	-	5	State Ag Dept.	KS - Nemaha	-	4
State Ag Dept.	KS - Cheyenne	-	3	State Ag Dept.	KS - Norton	-	3
State Ag Dept.	KS – Cloud	-	1	State Ag Dept.	KS - Osborne	-	1
State Ag Dept.	KS - Decatur	-	5	State Ag Dept.	KS - Phillips	-	1
State Ag Dept.	KS - Dickinson	-	1	State Ag Dept.	KS - Pottawatomie	-	2
State Ag Dept.	KS - Doniphan	-	4	State Ag Dept.	KS - Rawlins	-	3
State Ag Dept.	KS - Douglas	-	1	State Ag Dept.	KS - Republic	-	3
State Ag Dept.	KS – Gove	-	3	State Ag Dept.	KS – Riley	-	1
State Ag Dept.	KS - Graham	-	1	State Ag Dept.	KS - Shawnee	-	1
State Ag Dept.	KS - Jackson	-	1	State Ag Dept.	KS - Sheridan	-	4
State Ag Dept.	KS - Jefferson	-	2	State Ag Dept.	KS - Sherman	-	6
State Ag Dept.	KS – Jewell	-	1	State Ag Dept.	KS – Smith	-	2
State Ag Dept.	KS - Johnson	-	1	State Ag Dept.	KS - Thomas	-	8
State Ag Dept.	KS – Logan	-	3	State Ag Dept.	KS – Trego	-	1
State Ag Dept.	KS - Marshall	-	4	State Ag Dept.	KS - Wabaunsee	-	1
State Ag Dept.	KS - Mitchell	-	1	State Ag Dept.	KS - Wallace	-	3
				State Ag Dept.	KS - Washington	-	3

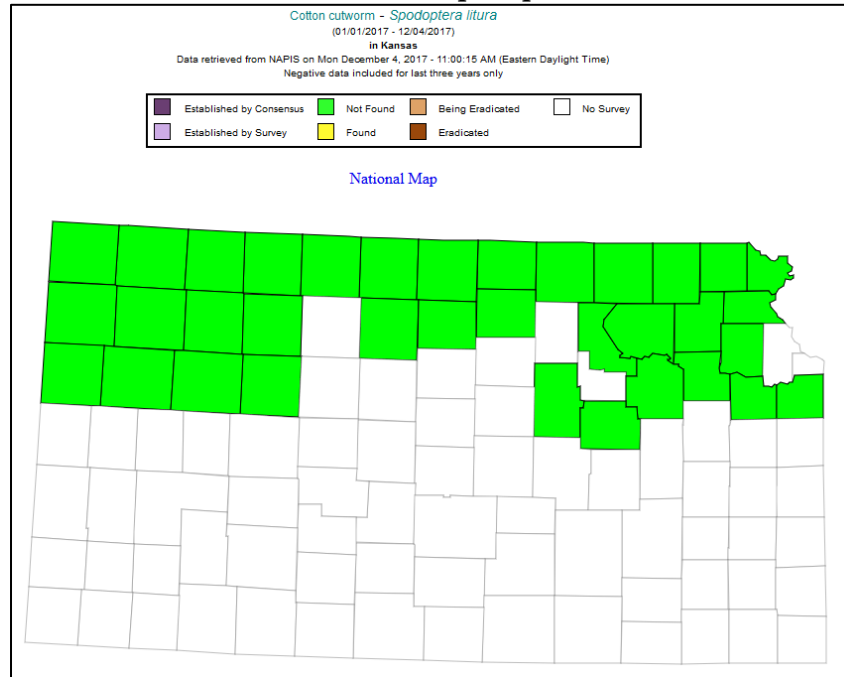
Mexican corn cyst nematode - *Punctodera chalconensis*



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State Ag Dept.	KS - Brown	-	5	State Ag Dept.	KS - Nemaha	-	4
State Ag Dept.	KS - Cheyenne	-	3	State Ag Dept.	KS - Norton	-	3
State Ag Dept.	KS - Cloud	-	1	State Ag Dept.	KS - Osborne	-	1
State Ag Dept.	KS - Decatur	-	5	State Ag Dept.	KS - Phillips	-	1
State Ag Dept.	KS - Dickinson	-	1	State Ag Dept.	KS - Pottawatomie	-	2
State Ag Dept.	KS - Doniphan	-	4	State Ag Dept.	KS - Rawlins	-	3
State Ag Dept.	KS - Douglas	-	1	State Ag Dept.	KS - Republic	-	3

State Ag Dept.	KS – Gove	-	3	State Ag Dept.	KS – Riley	-	1
State Ag Dept.	KS - Graham	-	1	State Ag Dept.	KS - Shawnee	-	1
State Ag Dept.	KS - Jackson	-	1	State Ag Dept.	KS - Sheridan	-	4
State Ag Dept.	KS - Jefferson	-	2	State Ag Dept.	KS - Sherman	-	6
State Ag Dept.	KS – Jewell	-	1	State Ag Dept.	KS – Smith	-	2
State Ag Dept.	KS - Johnson	-	1	State Ag Dept.	KS - Thomas	-	8
State Ag Dept.	KS – Logan	-	3	State Ag Dept.	KS – Trego	-	1
State Ag Dept.	KS - Marshall	-	4	State Ag Dept.	KS - Wabaunsee	-	1
State Ag Dept.	KS - Mitchell	-	1	State Ag Dept.	KS - Wallace	-	3
				State Ag Dept.	KS - Washington	-	3

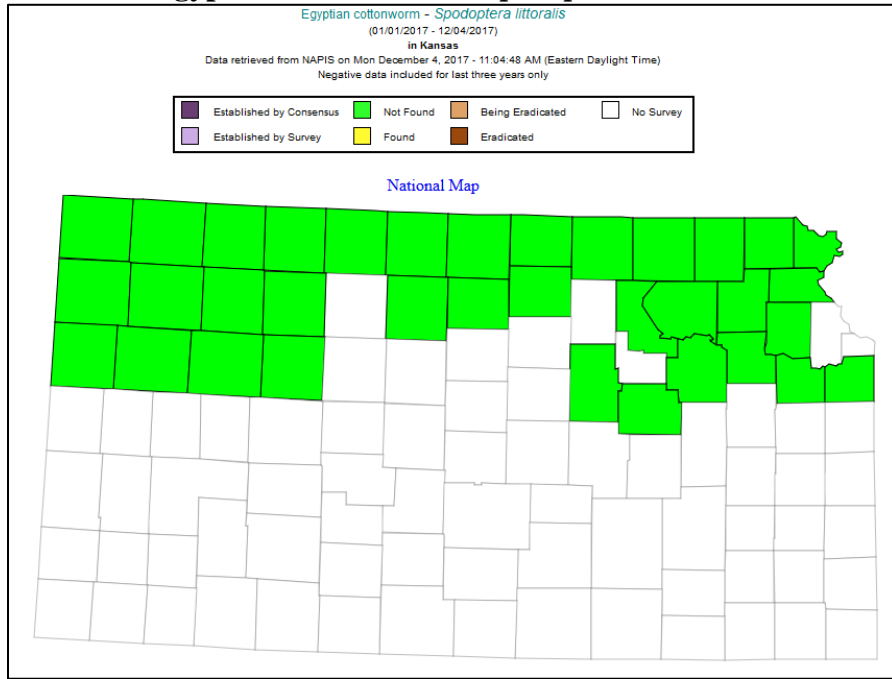
Cotton cutworm - *Spodoptera litura*



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State Ag Dept.	KS - Cheyenne	-	3	State Ag Dept.	KS - Norton	-	3
State Ag Dept.	KS - Cloud	-	1	State Ag Dept.	KS - Osborne	-	1
State Ag Dept.	KS - Decatur	-	5	State Ag Dept.	KS - Phillips	-	1
State Ag Dept.	KS - Dickinson	-	1	State Ag Dept.	KS - Pottawatomie	-	2
State Ag Dept.	KS - Doniphan	-	4	State Ag Dept.	KS - Rawlins	-	3
State Ag Dept.	KS - Douglas	-	1	State Ag Dept.	KS - Republic	-	3

State Ag Dept.	KS – Gove	-	3	State Ag Dept.	KS – Riley	-	1
State Ag Dept.	KS - Graham	-	1	State Ag Dept.	KS - Shawnee	-	1
State Ag Dept.	KS - Jackson	-	1	State Ag Dept.	KS - Sheridan	-	4
State Ag Dept.	KS - Jefferson	-	2	State Ag Dept.	KS - Sherman	-	6
State Ag Dept.	KS – Jewell	-	1	State Ag Dept.	KS – Smith	-	2
State Ag Dept.	KS - Johnson	-	1	State Ag Dept.	KS - Thomas	-	8
State Ag Dept.	KS – Logan	-	3	State Ag Dept.	KS – Trego	-	1
State Ag Dept.	KS - Marshall	-	4	State Ag Dept.	KS - Wabaunsee	-	1
State Ag Dept.	KS - Mitchell	-	1	State Ag Dept.	KS - Wallace	-	3
				State Ag Dept.	KS - Washington	-	3

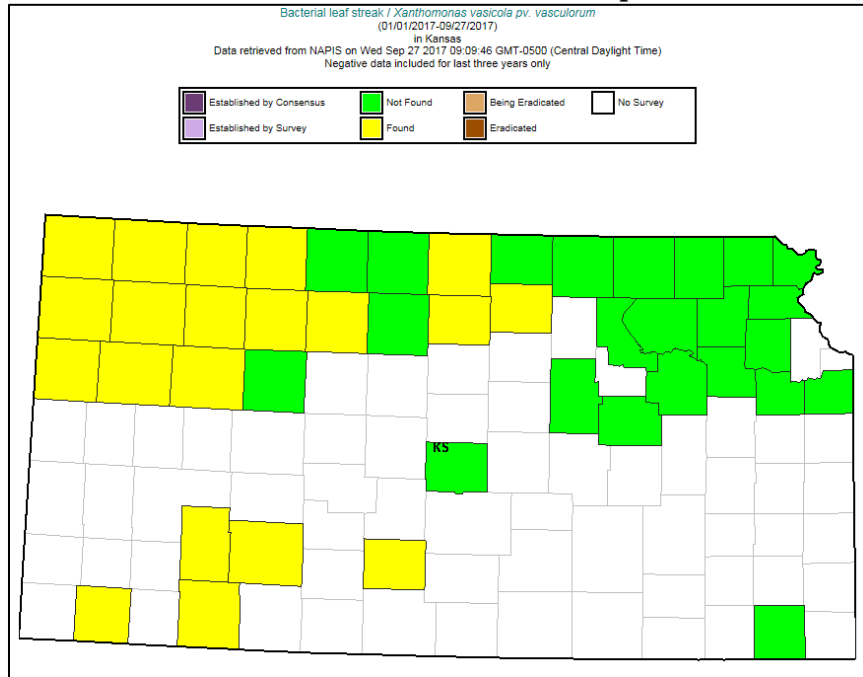
Egyptian Cottonworm - *Spodoptera littoralis*



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State Ag Dept.	KS - Brown	-	5	State Ag Dept.	KS - Nemaha	-	4
State Ag Dept.	KS - Cheyenne	-	3	State Ag Dept.	KS - Norton	-	3
State Ag Dept.	KS - Cloud	-	1	State Ag Dept.	KS - Osborne	-	1
State Ag Dept.	KS - Decatur	-	5	State Ag Dept.	KS - Phillips	-	1
State Ag Dept.	KS - Dickinson	-	1	State Ag Dept.	KS - Pottawatomie	-	2
State Ag Dept.	KS - Doniphan	-	4	State Ag Dept.	KS - Rawlins	-	3
State Ag Dept.	KS - Douglas	-	1	State Ag Dept.	KS - Republic	-	3

State Ag Dept.	KS – Gove	-	3	State Ag Dept.	KS – Riley	-	1
State Ag Dept.	KS - Graham	-	1	State Ag Dept.	KS - Shawnee	-	1
State Ag Dept.	KS - Jackson	-	1	State Ag Dept.	KS - Sheridan	-	4
State Ag Dept.	KS - Jefferson	-	2	State Ag Dept.	KS - Sherman	-	6
State Ag Dept.	KS – Jewell	-	1	State Ag Dept.	KS – Smith	-	2
State Ag Dept.	KS - Johnson	-	1	State Ag Dept.	KS - Thomas	-	8
State Ag Dept.	KS – Logan	-	3	State Ag Dept.	KS – Trego	-	1
State Ag Dept.	KS - Marshall	-	4	State Ag Dept.	KS - Wabaunsee	-	1
State Ag Dept.	KS - Mitchell	-	1	State Ag Dept.	KS - Wallace	-	3
				State Ag Dept.	KS - Washington	-	3

Bacterial leaf streak/*Xanthomonas vasicola pv. vasiculorum*

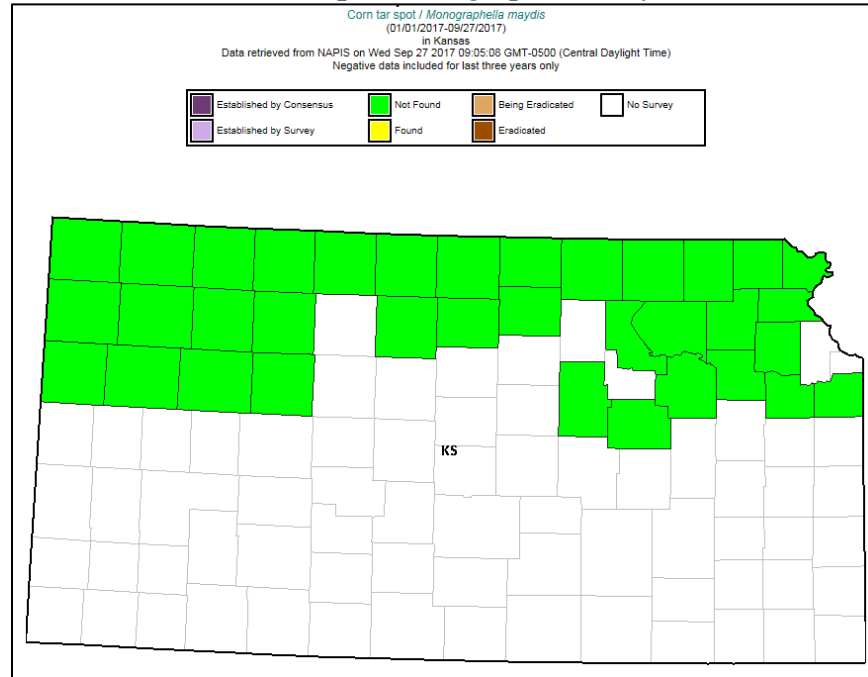


Data Source	State County	Pest Status	Total Units Checked	Data Source	State County	Pest Status	Total Units Checked
State Ag Dept.	KS - Atchison	-	2	State Ag Dept.	KS - Morris	-	1
State Ag Dept.	KS - Brown	-	5	State Ag Dept.	KS - Nemaha	-	4
State Ag Dept.	KS - Cheyenne	-	1	State Ag Dept.	KS - Norton	+	2
State Ag Dept.	KS - Cheyenne	+	2	State Ag Dept.	KS - Norton	-	1
University	KS - Cloud	-	1	State Ag Dept.	KS - Osborne	-	1
State Ag Dept.	KS - Decatur	+	1	State Ag Dept.	KS - Phillips	-	1
State Ag Dept.	KS - Decatur	-	1	State Ag Dept.	KS - Pottawatomie	-	2
State Ag Dept.	KS - Decatur	+	3	University	KS - Pratt	+	1
State Ag Dept.	KS - Dickinson	-	1	State Ag Dept.	KS - Rawlins	-	2
State Ag Dept.	KS - Doniphan	-	4	State Ag Dept.	KS - Rawlins	+	1
State Ag Dept.	KS - Douglas	-	1	State Ag Dept.	KS - Republic	-	3
University	KS - Ford	+	1	State Ag Dept.	KS - Riley	-	1

State Ag Dept.	KS - Gove	+	2	University	KS - Rooks	+	1
State Ag Dept.	KS - Gove	-	1	State Ag Dept.	KS - Shawnee	-	1
State Ag Dept.	KS - Graham	-	1	State Ag Dept.	KS - Sheridan	+	4
University	KS - Graham	+	1	State Ag Dept.	KS - Sherman	+	4
University	KS - Gray	+	1	State Ag Dept.	KS - Sherman	-	2
State Ag Dept.	KS - Jackson	-	1	State Ag Dept.	KS - Smith	-	2
State Ag Dept.	KS - Jefferson	-	2	University	KS - Stevens	+	1
State Ag Dept.	KS - Jewell	+	1	State Ag Dept.	KS - Thomas	+	7
State Ag Dept.	KS - Johnson	-	1	State Ag Dept.	KS - Thomas	-	1
State Ag Dept.	KS - Logan	+	3	State Ag Dept.	KS - Trego	-	1
State Ag Dept.	KS - Marshall	-	4	State Ag Dept.	KS - Wabaunsee	-	1
University	KS - Meade	+	1	State Ag Dept.	KS - Wallace	+	3
State Ag Dept.	KS - Mitchell	+	1	State Ag Dept.	KS - Washington	-	3

State Funded

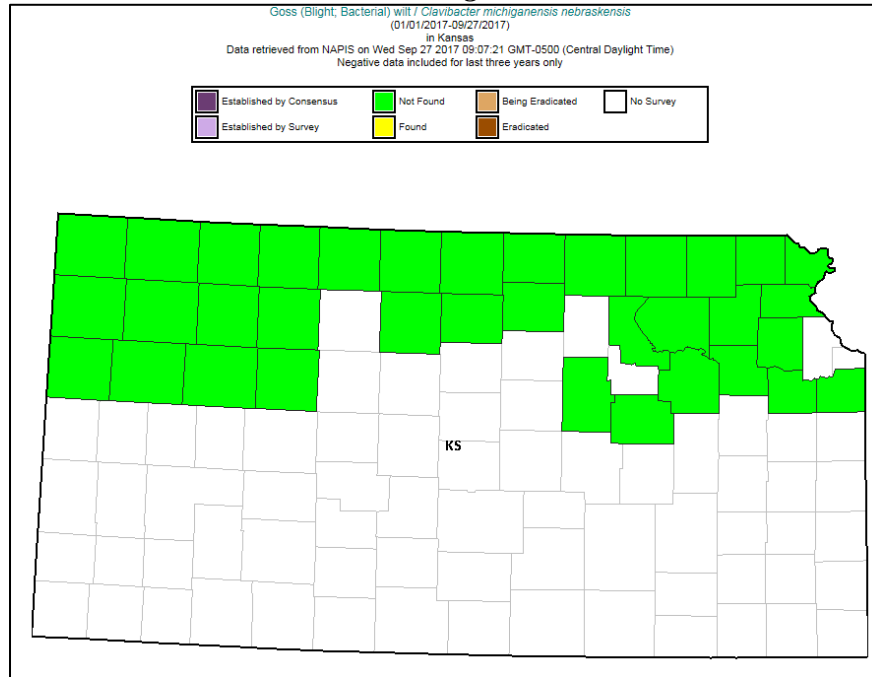
Corn tar spot/*Monographelia maydis*



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State Ag Dept.	KS - Cloud	-	1	State Ag Dept.	KS - Osborne	-	1
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State Ag Dept.	KS - Dickinson	-	1	State Ag Dept.	KS - Pottawatomie	-	2
State Ag Dept.	KS - Doniphan	-	4	State Ag Dept.	KS - Rawlins	-	3

State Ag Dept.	KS - Douglas	-	1	State Ag Dept.	KS - Republic	-	3
State Ag Dept.	KS – Gove	-	3	State Ag Dept.	KS – Riley	-	1
State Ag Dept.	KS - Graham	-	1	State Ag Dept.	KS - Shawnee	-	1
State Ag Dept.	KS - Jackson	-	1	State Ag Dept.	KS - Sheridan	-	4
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State Ag Dept.	KS – Jewell	-	1	State Ag Dept.	KS – Smith	-	2
State Ag Dept.	KS - Johnson	-	1	State Ag Dept.	KS - Thomas	-	8
State Ag Dept.	KS – Logan	-	3	State Ag Dept.	KS – Trego	-	1
State Ag Dept.	KS - Marshall	-	4	State Ag Dept.	KS - Wabaunsee	-	1
State Ag Dept.	KS - Mitchell	-	1	State Ag Dept.	KS - Wallace	-	3
				State Ag Dept.	KS - Washington	-	3

Goss'wilt/*Clavibacter michiganensis nebraskensis*



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State Ag Dept.	KS - Cheyenne	-	3	State Ag Dept.	KS - Norton	-	3
State Ag Dept.	KS - Cloud	-	1	State Ag Dept.	KS - Osborne	-	1
State Ag Dept.	KS - Decatur	-	5	State Ag Dept.	KS - Phillips	-	1
State Ag Dept.	KS - Dickinson	-	1	State Ag Dept.	KS - Pottawatomie	-	2
State Ag Dept.	KS - Doniphan	-	4	State Ag Dept.	KS - Rawlins	-	3
State Ag Dept.	KS - Douglas	-	1	State Ag Dept.	KS - Republic	-	3
State Ag Dept.	KS - Gove	-	3	State Ag Dept.	KS - Riley	-	1
State Ag Dept.	KS - Graham	-	1	State Ag Dept.	KS - Shawnee	-	1
State Ag Dept.	KS - Jackson	-	1	State Ag Dept.	KS - Sheridan	-	4
State Ag Dept.	KS - Jefferson	-	2	State Ag Dept.	KS - Sherman	-	6

State Ag Dept.	KS – Jewell	-	1	State Ag Dept.	KS – Smith	-	2
State Ag Dept.	KS - Johnson	-	1	State Ag Dept.	KS - Thomas	-	8
State Ag Dept.	KS – Logan	-	3	State Ag Dept.	KS – Trego	-	1
State Ag Dept.	KS - Marshall	-	4	State Ag Dept.	KS - Wabaunsee	-	1
State Ag Dept.	KS - Mitchell	-	1	State Ag Dept.	KS - Wallace	-	3
				State Ag Dept.	KS - Washington	-	3

B. If appropriate, explain why objectives were not met.*

- One location is on the border of 2 counties and GPS location is in Decatur instead of Sheridan.

C. Where appropriate, explain any cost overruns or unobligated funds in excess of \$1,000.

*

**indicates information is required per 7 CFR 3016.40 and 7 CFR 3019.51*

Approved and signed by

Cooperator

Date: _____

ADODR

Date: _____